

PILE CARPET AND METHOD OF MAKING SAME

BACKGROUND OF THE INVENTION

Known from EP-A-1 081 263 (US 6,594,874) is a method for continuous stabilization of pile carpeting, tufted carpeting, plush carpeting and the like, in any case of web-like goods with a visible side whose structure and quality must not be modified and a backing support layer in which the pile-forming yarns are incorporated and must be anchored since the pile yarns have merely been unstably incorporated, e.g. tufted into the support layer made, for example, of a spun-bonded nonwoven, a woven fabric or knitted fabric, for anchoring the pile yarns held only loosely in the support layer by means of hydrodynamic water needle-punching into the support layer.

This method is of particular importance for the recyclability of a carpet. In the future, the conventionally used latex foam backing will no longer be necessary for stabilizing the pile fibers.

Before this development it was known to spread the backing of a carpet, the back of the support layer with the pile fibers affixed therein, with a hot-melt powder (EP-A-0 005 050). However, this method was not successful since mixing of the powder with the support layer could not be sufficiently produced. The same applies if a fusible fiber (DE-A-195 06 845) or a fusible film (DE-A-43 41 168 and US equivalent 5,660,911) is applied instead of a powder. Intensive joining of the backing